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January 28, 2000

Attorney Docket No.: 07419-023001

Box Patent Application

Assistant Commissioner for Patents
Washington, DC 20231

Presented for filing is a new patent application claiming priority from a provisional patent application of:

Applicant: EDWARD M. MARCOTTE, DAVID EISENBERG, MICHAEL J.
THOMPSON, MATTEO PELLEGRINI AND TODD O. YEATES

Title: **COMBINED COMPUTATIONAL METHODS FOR DETECTING
PROTEIN FUNCTION AND PROTEIN-PROTEIN
INTERACTIONS FROM GENOME SEQUENCES**

Enclosed are the following papers, including those required to receive a filing date under 37 CFR 1.53(b):

	<u>Pages</u>
Specification	42
Claims	1
Abstract	1
Declaration	3
Drawing(s)	18

Enclosures:

- Small Entity Statement
- Postcard.

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL528185515US

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit January 28, 2000

Signature

Mike Augustine
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jc571 U.S. PTO

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January 28, 2000
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Under 35 USC §119(c)(1), this application claims priority from Provisional Application Serial No. 60/117,844, filed January 29, 1999, Provisional Application Serial No. 60/118,206, filed February 1, 1999, Provisional Application Serial No. 60/126,593, filed March 26, 1999, Provisional Application Serial No. 60/134,092, filed May 14, 1999, and Provisional Application Serial No. 60/134,093, filed May 14, 1999. The present application also incorporates by reference USSN ____/____, for "A Rosetta Stone Method For Detecting Protein Function and Protein-Protein Interactions From Genome Sequences" (attorney docket No.: 07419-020001) and USSN ____/____, for "Assigning Protein Functions By Comparative Genome Analysis: Protein Phylogenetic Profiles" (attorney docket No.: 07419-021001), filed concurrently on January 28, 2000. Each of the aforementioned applications is explicitly incorporated herein by reference in their entirety and for all purposes.

Basic filing fee	\$345
Total claims in excess of 20 times \$9	\$0
Independent claims in excess of 3 times \$39	\$0
Fee for multiple dependent claims	\$0
Total filing fee:	\$345

A check for the filing fee is enclosed. Please apply any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

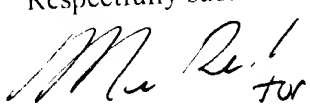
If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 678-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

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Respectfully submitted,

 (P-45,647)
for

Joseph R. Baker, Jr.
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Enclosures
JZB/bzc